

## SWITCH-BASED C/I MEASUREMENT

### ABSTRACT OF THE DISCLOSURE

A system and method for generating a switch-based C/I matrix for a wireless network is provided. A cell-under-test (CUT) may broadcast system unique carrier and interference signals to mobile stations serviced by the CUT and mobile stations serviced by measurement sectors of other cells in the wireless network. The mobile stations make downlink signal strength measurements, and transmit the signal strength measurements to the corresponding sectors and CUT that service the mobile stations. The measurement sectors may be further configured to measure signal strength of the interference signals transmitted from the CUT on the uplink. The signal strengths are then processed to generate the switch-based C/I matrix.